LCW025 Hydrazine

DOC312.53.94384

0.01–2.00 mg/L N_2H_4 **LCW025**

Scope and application: For boiler water, steam condensates and process analysis.

Test preparation

Test storage

Storage temperature: 15–25 °C (59–77 °F)

pH/Temperature

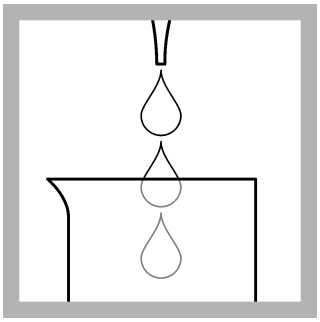
The pH of the water sample must be between pH 3–10.

The temperature of the water sample and reagents must be between 15–25 °C (59–77 °F).

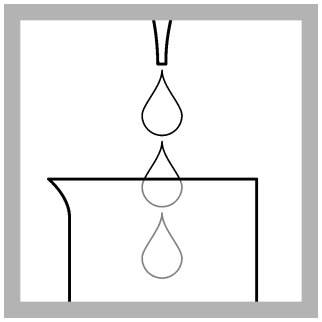
Before starting

Review safety information and expiration date on the package.
Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.
Dispose of reacted solutions according to local, state and federal regulations. Refer to the Safety Data Sheets for disposal information for unused reagents. Refer to the environmental, health and safety staff for your facility and/or local regulatory agencies for further disposal information.

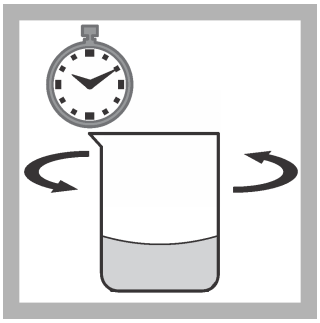
Procedure



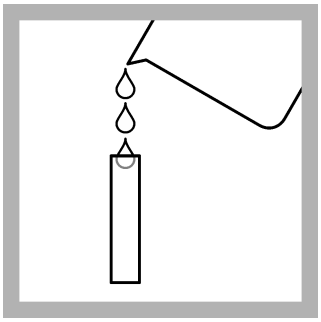
1. A—Sample:
Pipet into a beaker:
10.0 mL sample and
5.0 mL solution A.



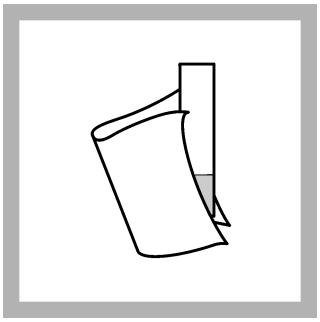
2. B—Blank-value:
Pipet into a beaker:
10.0 mL distilled water
and **5.0 mL solution A**.



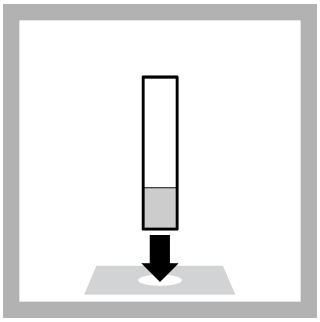
3. Mix A and **mix B** and
allow to stand for
3 minutes.



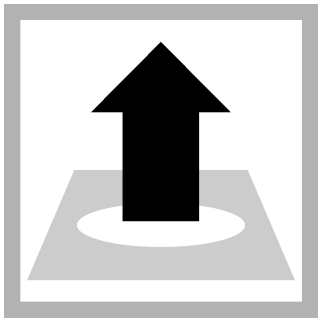
4. Transfer to
10 mm rectangular cuvettes.



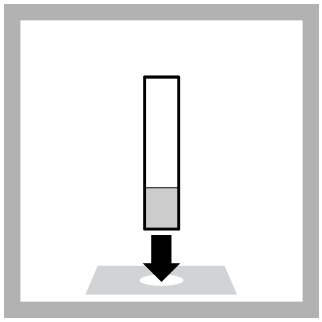
5. Thoroughly clean the outside of the cuvettes and evaluate.



6. Insert the blank-cuvette into the cell holder.
Go to **Stored Programs**.
Select the test: push **ZERO**.



7. Remove the blank-cuvette.



8. Insert the sample cuvette into the cell holder.
Push **READ**.

Interferences

The reaction is not affected by either sulphite or alkalis.

The measurement results must be subjected to plausibility checks (dilute and/or spike the sample).

Summary of method

Hydrazine reacts with 4-dimethylaminobenzaldehyde in acidic solution to give the yellow hydrazone.

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